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OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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Miller Wields Gavel; Lissitz Becomes Chair-Elect of Campus Senate

As the incoming chair of the Campus Senate Gerald Miller said to his fellow senators, "The last several years have seen an increase in the workload, the productivity, and the influence of the Campus Senate, and this trend will likely continue during the coming year."

Miller's message was possibly the understatement of the year.

The campus is certain to face continuing tough budget decisions for this fiscal year and the next. The Senate will have to review carefully and expeditiously each of the forthcoming proposals for **academic program consolidations, reductions, or eliminations** arising from the APAC review process begun last year and the work of the Ad Hoc committees appointed by Provost J. Robert Dorfman. The Senate will receive recommendations from its Programs, Curricula, and Course Committee on each proposal, take action, and forward its recommendations to President William E. Kirwan.

Senate committees and then the full Senate also will be considering other complex issues including:

• The President's redraft of the policy the Senate passed in 1989 on **termination of faculty if financial exigency must be declared**

Gerald Miller

Robert Lissitz

(Faculty Affairs Committee, Howard Dobin, chair).

• **Early retirement options** that may be made available to the campus (Faculty Affairs).

• Recommendations of the **Mercer staff compensation study** (Staff Affairs Committee, Pat Moreland, chair).

• Implementation of the Senate-adopted recommendations on **shared governance** (Plan of Organization Review Committee (Paul Green, chair). Recommended changes in the structure and operation of the Campus Senate are a foundation for the discussions of the mandated five-year review of the Senate. Some other Senate-adopted recommendations apply to governance within academic units; others may lead to changes in campus and Senate committees involved with athletics, libraries, and computers.

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J-School Professor Establishes New Press Freedom Center in Hungary

Ray E. Hiebert, professor in the College of Journalism, has received a grant to establish the American Journalism Center, a training program in Budapest for Hungarian journalists.

The program, under Hiebert's direction, will be funded by a $306,000 grant from the International Media Fund (IMF).

The five-year program will be co-sponsored by the university and IMF with the ultimate goal being to create a school of journalism that will become part of the university system in Hungary.

The center initially will offer a series of workshops in Hungary on such subjects as the press and government, print and broadcast management, advertising, and desktop publishing. The first workshop was May 10 in Budapest.

"Hungary needs immediate help in establishing meaningful ways to train its journalists," says Hiebert, who has visited the country a number of times for interviews with print and broadcast media representatives and government officials. "Of all the countries of Eastern Europe, Hungary probably has the best chance for quick success in saving its economy, building a viable free-market system, developing a democratic society and securing a free press.

"Hungarian journalists are highly skilled at expressing themselves in print or broadcast," he adds. "But their publications and broadcasts have, in their lifetime, always been subsidized by the government. they have not had to produce material based on audience interest and appeal. They have to be shown that freedom of the press won't work unless one listens to the demands of the marketplace."

The fledgling journalism and mass communication program at ELTE University in Budapest and a program in mass media studies at the English Department of Janos Pannonius University in Pecs will serve as starting points for Hiebert's project. As founding director of the American Journalism Center, he will coordinate its operations from the university's College of Journalism. Future plans call for an associate director in Budapest, interacting with univer-

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NEWS

Annual Faculty and Staff Convocation to be Held Oct. 7

All members of the College Park community are invited to attend the faculty and staff convocation Monday, Oct. 7 at 3 p.m. in Memorial Chapel. The convocation is held each year to recognize faculty and staff accomplishments and to award the President's Medal, which this year will be presented posthumously to the late Dudley Dillard. A reception will follow on the Chapel Lawn. Call 405-4637 for information.

Pugh Wins Packard Fellowship

William Pugh, assistant professor of computer science, has won a prestigious David and Lucille Packard Fellowship for Science and Engineering.

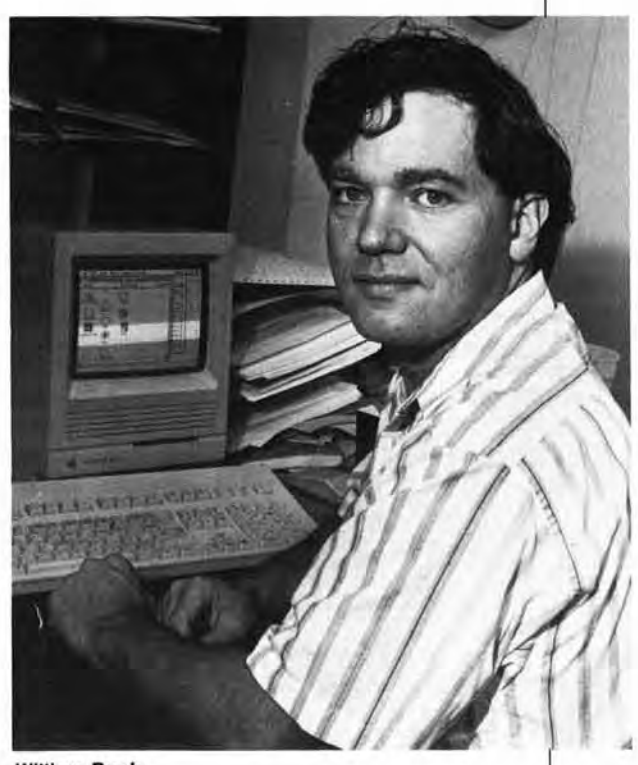
Pugh, who also received a 1991 National Science Foundation Presidential Young Investigator Award (PYI), is one of only 20 young scientists in the country out of 97 nominated to receive a Packard Fellowship this year. The fellowship carries a stipend of $100,000 a year for five years.

The PYI award provides a grant of $25,000 per year from NSF for five years. In addition, each dollar of industrial support is matched by NSF on a dollar-for-dollar basis up to a total annual grant of $100,000.

Winning the Packard Fellowship and the PYI makes Pugh one of the most visible young scientists in the nation. He is a specialist in the area of programming languages and is known for his development of skip lists.

His research involves automatic methods for reorganizing computer programs to make effective use of massive parallelism and specialized programming languages designed for computationally intensive scientific problems such as weather prediction and air flow modeling.

Pugh holds a Ph.D. from Cornell University and has been on the Department of Computer Science faculty at College Park since 1989.



William Pugh

Campus Senate Looks Forward to Tough Year

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The Campus Senate truly faces one of the busiest, and most critical decision-making years in its history.

At its first meeting on September 16, Miller (Chemistry and Biochemistry) took over the gavel as chair, and the Senate chose Robert Lissitz (Measurement, Statistics and Evaluation) as chair-elect. The following faculty, staff, and students were elected to serve on the Senate Executive Committee with Miller and Lissitz:

Faculty: James Alexander (Math.), Keith Campbell (Philosophy), Christopher Davis (Electrical Engin.), John Haslem (Bus. and Mngt.), Don Piper (Govt. and Politics), Ellin Scholnick (Psych.), and Nancy Struna (Kinesiology).

Staff: Cynthia Hale (Comp. Sci.) and Patricia Moreland (Counseling Center).

Students: Shari Barsky (undergrad., Govt. and Politics) and Jay Thomas (grad. student, Geography).

President Kirwan or his representative, Marie Davidson, and Provost Dorfman or his representative, David Falk, and the Executive Secretary of the Senate, Kathleen Smith, are ex officio non-voting members of the Executive Committee. James Klumpp serves as Senate Parliamentarian.

In addition to the issues listed above—most associated in one way or another with the severe budget reversions—a number of more usual issues are on the agenda for consideration by the Senate this year. These include:

- **Undergraduate advising:** The major charge before the Educational Affairs Committee (Chair, Larry Warren) is to develop a statement defining the standards and expectations for undergraduate advising, to identify effective means for advising, to develop a procedure for a regular campus-wide assessment of the quantity and quality of advising, and to develop recommendations for fiscal, staff, and faculty resources.
- A report on **Impediments to Research**, based on an extensive survey of faculty members, is due this year from the Research Committee (Frank Alt, Chair).
- The Academic Procedures and Standards Committee (Chair not yet appointed) will continue its study of the **Three-finals-scheduled-on-the-same-day** issue that it began discussing last year.
- **The Parking Report**, recommending significantly increased parking fees, will be considered by the Campus Affairs Committee (James Alexander, Chair).

Many issues concerning the university's fiscal crisis have been laid on top of the normal Senate agenda of recommending program changes and the institution of new or revised academic and campus policies. It will be an extraordinarily active year for the Campus Senate and its committees.

Journalism Training Program Begins in Hungary

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sities there and with the professional Hungarian Journalists Association.

Hiebert is founding director of the Washington Journalism Center and founding dean of the College of Journalism. He has taught journalism at the College Park since 1968.

In 1982, Hiebert served as a consultant to the Liberian Broadcasting System in Africa on a Fulbright Fellowship. He was a visiting professor at Rhodes University in South Africa in 1984 and at the University of Algiers in Algeria in 1990. He recently returned from Pretoria, South Africa, where he gave the prestigious Robert Godlonton Media Lecture.

Lisa Gregory

OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

Kathryn Costello	Vice President for Institutional Advancement
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Linda Freeman	Production Editor
Lisa Gregory	Staff Writer
Tom Otwell	Staff Writer
Gary Stephenson	Staff Writer
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Linda Martin	Production
Kerstin Neteler	Production Intern

Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Roz Hiebert, Editor *Outlook*, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is outlook@pres.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK

Women's Forum to Hold Annual Conference Oct. 9

The University of Maryland System Women's Forum will hold its second annual forum on Wednesday, Oct. 9 at Towson State University from 9 a.m. to 4 p.m. The conference, "Women Making a Difference: In the Work Place and in Our Other Roles," will feature a series of workshops on such subjects as communication and negotiation, retirement and other transitions, stress management, sexual harassment, and multiple family roles. Call Carla Gary, College Park's Women's Forum president at 405-4182 for information about registration and car pools.

NEWS

Maryland Wins WICI Vanguard Award

The university has been named one of the top three finalists in the prestigious Vanguard Award competition held by Women in Communications, Inc. (WICI).

Established in 1980, the Vanguard Award recognizes companies or institutions for their positive portrayals of women and helps to heighten the general awareness of factors that enhance the image and status of women.

In 1988, the university launched an innovative program to improve undergraduate women's education and the status of women on campus. The program includes the overhaul and revision of curriculum to include scholarship on women in various disciplines and training for faculty on improving the classroom climate for women.

In addition, the program includes the designation of positions for hiring women in fields where they are underrepresented and increased hiring, promotion and retention of women faculty, including senior administrative positions.

"The University of Maryland at College Park has created an extraordinary program that ensures lasting change for the institution and directly advances women toward positions of equality," the WICI citation reads.

President William E. Kirwan will accept the award during WICI's National Professional Conference in Atlanta, October 12.

The 1991 winner was IBM Corporation. The two other finalists were The Freedom Forum for First Amendment Freedoms and the Gannett Co., Inc. NOW Legal Defense and Education Fund received an Award of Special Merit.

ICONS to Simulate Negotiations on International Drug Issues

The Organization of American States (OAS) has awarded a $27,000 grant to Project ICONS (International Communication and Negotiation Simulation) of the Department of Government and Politics to give students from universities in North and South America first-hand experience negotiating international drug issues using the ICONS simulation program.

By attempting to negotiate and resolve problems such as drug abuse, drug production, trafficking and crop substitution, the students will gain a better understanding of how these issues are linked to other social, economic and political problems within their own country and other countries, says Jonathan Wilkenfeld, chair and professor of government and politics.

College Park is collaborating with faculty at the University of Cordoba, Argentina, to organize this special pilot program.

For three weeks this fall, beginning September 30, teams of students will play the roles of government leaders. They will research drug issues in their countries and negotiate with each other using the ICONS program developed by Wilkenfeld and Richard Brecht, professor of Germanic and Slavic Languages and Literature.

Participants will come from six Latin American universities in Argentina, Chile, Venezuela, Peru, Columbia and Costa Rica, as well as from College Park and the University of Ottawa in Canada, notes ICONS simulation director Patty Landis.

Participants from College Park will include students studying government and politics, foreign languages, computer science, and natural resource management.

A training program for participating faculty members was held earlier this month at the University of Cordoba.

In a related development, ICONS also recently was awarded a $70,000 grant from the U.S. Institute of Peace to help establish regional centers at the University of Connecticut, Brigham Young University and the Des Moines High School District. Another ICONS center is already in place at California's Whitter College. Each center will provide regional simulation services to area high schools.

The Peace Institute grant will be used by College Park to train faculty members in the use of ICONS simulation and to provide computer support. ICONS also will facilitate the involvement of high schools in other countries in the project.

The College Park-based ICONS continues to offer six simulations each year, four for high school students, and two for college and university students.

Tom Otwell

Nominees for Distinguished Scholar-Teacher Awards Sought

Nominations for the Distinguished Scholar-Teacher (DST) Award for the coming academic year are now being sought.

Sponsored by the Office of the Vice Chancellor for Academic Affairs and Provost, the program recognizes faculty members for both their intellectual achievements and their abilities to translate their scholarship into successful classroom teaching.

Nominees must be full-time tenured faculty members who have distinguished themselves as teachers, especially at the undergraduate level, and as scholars. Each DST will teach an Honors course as part of the regular teaching load, for which the department will be reimbursed. Each DST will present a public lecture in the spring semester, and each will receive a $1,000 award for professional expenses.

The DSTs for the current academic year are: George Callcott, History; Bruce Jarvis, Chemistry and Biochemistry, and Raymond Paternoster, Criminal Justice and Criminology.

Nominations and supporting documents should be sent to Kathryn Mohrman, dean for undergraduate studies, Room 1115 Hornbake Library not later than Friday, November 1. For more details, contact Jennifer Scott at 405-9353.

Study Compares College Park Faculty Salaries with AAU and Peer Universities

The Office of Institutional Studies has released findings of an annual report comparing faculty salaries at College Park with those at 33 public and private member institutions of the Association of American Universities and nine "designated peer" universities that also appear in the AAU group.

Relative to the 33 AAU institutions, College Park stands 11th in the overall salary averages and 10th in both associate professors' and in assistant processors' salary averages, the report notes.

Fall 1990 College Park average salaries were above the median at all three faculty ranks. College Park's three-ranks salary average was also above the median.

For a copy of "Analysis of Faculty Salaries: A Comparison of UMCP with AAU Public and Private and Designated Peer Universities-Fall 1990," call 405-5590. Reference copies are also in McKeldin Library.

CLOSE UP

Lesbian and Gay Staff and Faculty Association Meets on First Fridays

The Lesbian and Gay Staff and Faculty Association at College Park meets the first Friday each month for discussions and presentations about issues of concern to members. The group meets on campus at 4:30 p.m. for a social gathering, and programs begin at 5 p.m. For information call Susan Leonardi at 405-3833 or Michael Marcuse at 301-585-6015.

College Park's Flagship Channel Debuts in Montgomery County

UMCP
Flagship Productions

After two years of successful programming for cable television viewers in Prince George's County, the university's Flagship Channel is expected to make its debut in Montgomery County this month.

Marjory Small, the university's coordinator of television programming, says that the expansion of College Park's Flagship Channel into Montgomery County is promising.

"We've just had tons of phone calls about the channel, with people inquiring about it and a lot of interest generated in it," she says.

But Small says the interest in the expansion is not surprising. "In Montgomery County, 17 percent of the viewing audience watches access channels," she says. "The type of audience we appeal to is here in Montgomery and Prince George's Counties." She points out that many university staff members, alumni and commuting students—potential viewers—live in both the two Maryland counties.

The Flagship Channel is operated by College Park and is one of several education access channels available to cable subscribers in the area. The Academic Media Technology and Telecommunications Advisory Committee, chaired by Sue Clabaugh, oversees the station's operation and programming.

Besides Small, other Flagship Channel staff members include Kenny Holl, production coordinator, and Dan Kolb, programming assistant, as well as student workers.

The channel has been available since January 30, 1989 on Channel 38-B to cable subscribers in Prince George's County. It will be available to Montgomery County cable subscribers on Channel 59.

The Flagship Channel is expanding in other ways as well. This year for the first time, the channel will offer a program guide to all faculty and staff who have a campus mailing address. The guide will include descriptions, dates and times of the scheduled programs. (To order a copy, call Dan Kolb at 314-9893.)

Program highlights this season include a symposium on the Persian Gulf War, a documentary on Katherine Anne Porter and a cablecast of the Marian Anderson Vocal Arts Competition semi-finals.

Viewers can also look forward to an increased emphasis on cultural arts programming this year. For example, a video movie review show featuring Robert Kolker, chair of the Radio, Television, and Film Department, is one of the new cultural shows slated to begin this fall. The show will be unique because Kolker, an expert on film, will only review movies that have *not* been released in movie theaters. [For other upcoming cultural events, see box.]

The Flagship Channel also will continue to deliver programming in the areas of community service, general education, lectures, documentaries and sports to cable subscribers.

Jack's Story is a popular community service program about a young man who is a quadriplegic because of his reckless driving.

New this year is the lecture series *Covering the Courts*, a symposium for journalists explaining access to the court system and how the courts work.

Small encourages members of the campus community who have program ideas to get in touch with her. She says that there is an added incentive for professors and researchers to become involved with the Flagship Channel. It may be that "added twist" a professor needs to get a grant approved, she says.

"Because of our ability to disseminate information widely, because of our ability to reach audiences beyond campus boundaries, we can sometimes make the difference in the award of a grant," she explains. "If they keep us in mind when they're thinking about a project and we can participate up-front in the grant-writing phase, we can often times create some programming of real value to the community, to our viewing audience, and also help them increase what they can do with a grant."

But grant or no grant, Small says that the Flagship Channel can still provide invaluable experience for faculty members.

"When we've had faculty and staff involved in a project, they gain valuable skills because TV is here to stay. They learn how to work with it and around it," she says.

Wendy Babbitt

The Visitor Center: Did You Know...

...that the university Visitor Center in Turner Lab assisted 12,196 visitors during its first year of operation? About 50 people per day stopped by the center for information.

The Visitor Center opened Sept. 4 1990 and has answered countless questions about the university while directing thousands of visitors to their campus destinations.

According to Nick Kovalakides, director of Visitor Services, 44 percent of these people were seeking the Admissions office, 14 percent were looking for academic buildings and six percent were Student Union bound.

Three percent each were looking for the Libraries, the Adult Education Center, athletic facilities and the Administrative Services Building. Two percent each were seeking arts buildings or events and the Campus Driving Tour. Another 20 percent were looking for various other sites.

The Center's busiest hours were between 9 a.m. and 3 p.m.

Upcoming Programming Specials on the Flagship Channel

First Vocal Arts Congress. (8 p.m.

Marian Anderson Vocal Arts Competition: including the semi-finals, awards ceremony and an historical interview with Todd Duncan. (8 p.m., September 30)

Women's Field Hockey vs. Delaware: tape delay cablecast of the game (1 p.m., September 30)

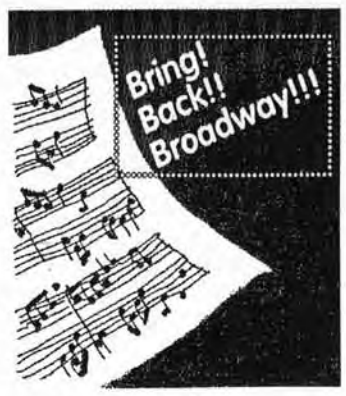
SGA Elections: hourly updates throughout the day and continuous coverage to election results. (updates beginning at 9 a.m.; continuous coverage beginning at 8 p.m., October 9)

Minorities and Women: An Art Lecture Series: Guest lecturers discuss current topics in art. (8 p.m., first and third week of October)

8th World Food Day Teleconference: sponsored by the U.S. National Committee for World Food Day. (noon to 3 p.m., October 16)

University Theatre Brings Back Broadway Starting Oct. 10

University Theatre will open its season with "Bring Back Broadway," a musical review featuring dozens of songs from the classic Broadway theater and showcasing the talents of many young College Park performers. Directed by Ronald J. O'Leary, the production is designed to allow audiences, particularly young people, to rediscover some of the great theater music of the past. Performances will be in Tawes Theatre Oct. 10-12 and 17-19 at 8 p.m., with a matinee on Oct. 13 at 2 p.m. Call 405-2201 (voice and TDD) for ticket information.



ARTS

Archaeologist Works to Uncover Ancient Temple at Caesarea

For College Park historian Kenneth Holum, the archaeological project at the ancient city of Caesarea in Israel grows better with age. Although he has worked at the site more than a decade, new treasures seem to surface each year.

This past summer Holum and Avner Raban, professor at Haifa University's Center for Maritime Studies announced the apparent discovery of remains from a temple built before the birth of Christ at the direction of King Herod the Great. Holum and Raban are co-directors of the Combined Caesarea Expeditions, a joint Israeli-North American excavation project which has been in progress at the ancient Mediterranean city for three seasons. Holum has been involved in projects at Caesarea since 1978 through a series of expeditions.

Student excavators from Trinity College and Wake Forest University recently unearthed the three ancient cooking pots that archaeologists believe were set in position in about 20 B.C. as workers under Herod's direction laid the first stones of the magnificent Greek-style temple.

"In antiquity it was a tradition to bury cooking pots within the foundation of a building, much in the same way that modern builders will plant a tree on the roof of a building," Holum says.

In addition, the archaeologists have discovered huge stone blocks that are believed to be part of the temple's foundation.

A great deal is known about the temple through the work of Josephus, the Third Century historian of the Jewish people, Holum says. The temple was built by Herod as a means of emphasizing his loyalty to the Roman empire. It was dedicated to the pagan goddess Roma and to Roman emperor Caesar Augustus.

In future summers, archaeologists will work to find stones that were part of the structure.

"[The temple] is of vast historical and architectural importance," Holum says.

The temple was among the many facets of Herod's grandiose plan to build a city with gridded streets, a state-of-the-art sewer system, theater, amphitheater, marketplace, aqueduct and harbor, Holum says. Named to curry favor with Roman emperor Caesar Augustus, the city stood as a major urban center for more than thirteen centuries.

It is now a popular tourist site in Israel and the site of a major archaeological project that involves both land and underwater excavation. Caesarea Maritima was the subject of a 1988-89 museum exhibition organized by the University of Maryland and the Smithsonian Institution. It was shown at the Smithsonian's Museum of Natural History, the Museum of Natural History in Los Angeles and several American and Canadian museums.

Kenneth Holum

Major sponsors of current research at Caesarea are the University of Maryland, Haifa University, The Rebecca Meyerhoff Foundation and the Caesarea Foundation of the Baron Edmund de Rothschild.

Brian Busek

Bonta's Computerized Bibliography Charts Show the Rise and Fall of Influential Architects

Into the art of bibliography, traditionally performed on dusty printed pages, Juan Bonta is injecting color, charts and computers.

Bonta, professor of housing and design at College Park has developed a computerized data base that includes bibliographical information on more than 2,500 American architects featured in more than 300 key texts on American architecture.

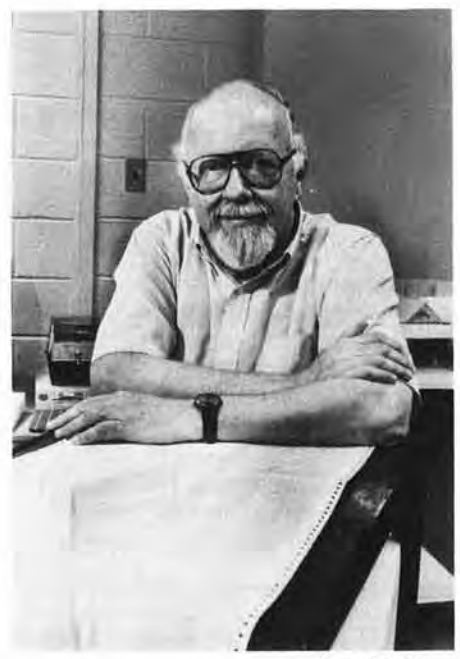
Beyond merely listing which architects appear where in which books, Bonta's system provides instant analysis of the bibliographical information. Bonta's data base can provide a researcher with an idea of the rise and fall of an architect's reputation, the professional relations between architects, the importance of an American architect overseas and the relative influence of a book within the field.

The bibliography, known as "American Architect and Texts," delivers such information through a 50,000-line software program—written by the scholar over the past 10 years—that sorts basic facts in unusual ways. Bonta points to the data base's historical perspective, its means of identifying trend-setting books and its ability to spot textual relationships between architects as highlights of the system.

The system measures the "fame" of architects through histograms. The histograms are computer-generated charts that show a timeline ranging from an architect's earliest to most recent mention in the literature. Graphs indicate the years in which the architect was cited most often. The implication is that an architect's reputation and influence were greatest in the period when he or she was receiving the greatest number of citations.

Bonta's system spots trendsetting texts by grouping books of highly similar content. The implication is that the earliest book in the group influenced the others. Books that turn up numerous times in this analysis likely were unusually important texts at some point. Such books as *Space, Time, and Architecture* and *The Golden City* are at the top of the list in this analysis.

The system also charts architects' "co-textuality." The system notes when architects often are cited together in the literature, a circumstance that indicates some kind of relationship between the architects. This co-textuality does not necessarily imply that the architects produced similar work. They may be figures whose ideas were diametrically opposed. But they are mentioned together nonetheless.


Juan Bonta

Bonta has written a forthcoming book on the system that will be published by the MIT Press. Recently he demonstrated the system at the National Gallery of Art and the Getty Museum in Los Angeles.

RESEARCH

Tufte to Deliver Computer Science Lecture

Edward Tufte, professor of political science and statistics, lecturer in law, and senior critic in design at Yale University, will speak on "Envisioning Information" Wednesday, Oct. 9 from 10:30 a.m. to noon in the Founder's Room of the Center of Adult Education. Tufte is founder of Graphics Press and author of six books including the widely acclaimed, *The Visual Display of Quantitative Information*. His newest book, *Envisioning Information*, has won six awards for content and design. Tufte's lecture is part of the Computer Science Center Distinguished Lecture Series. For info, call 405-2950.

Hypertension in Blacks May Be Associated with Skin Melanin

Researchers in the Department of Health Education have recently linked the high prevalence of hypertension in blacks to an abundance of norepinephrine, a vasoconstrictor that is produced by the body during stress and is associated with the skin pigmentator melanin. Results show that the vascular response to stress of black people lasts at least ten times longer than that of whites, resulting in hypertension.

Based on his findings, Roger J. Allen, associate professor of health education, suggests that current hypertension treatments using fluid reducing diuretic drugs for blacks may be inappropriate and may, in fact, exacerbate their hypertension.

"This study looks at physiological reasons for the prevalence of hypertension in blacks rather than at possible behavioral or cultural reasons such as sodium intake or smoking," Allen says. "We knew, of course, that people with darker skin have more melanin. Since melanin is associated with norepinephrine—a chemical that constricts blood vessels and is produced in larger quantities when a person is under stress—we saw this as the potential reason that hypertension is more common with blacks than whites. Our findings show that there is a direct relation."

According to Allen, 38 percent of adult blacks in the United States are estimated to have chronically high blood pressure, compared to 29 percent of the adult white population. Blacks are also more likely than whites to die of complications from hypertension.

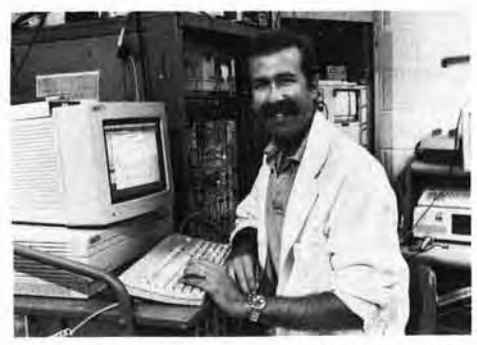
Allen and his graduate student Daniel L. Luxenberg have paired 40 black and 40 white students who were matched by age, sex, medical history, diet, habits and fitness levels to measure their heart rates and pulse amplitudes while under stress.

"All of our subjects had normal blood pressure," Allen says. "We were trying to look into their bodies and predict what might happen over time."

The researchers used a cold presser test—the placing of a subject's hand in ice for 30 seconds under controlled conditions—to bring about the same physiological responses one would experience in a stressful situation such as a job interview. They found that the black subjects would maintain elevated blood pressure at least ten times longer than the white students.

"We were observing the seeds of future health problems by the way the subjects were reacting to stress in their youth," Allen says.

According to Allen, most hypertension patients are treated with diuretics, drugs that help the kidneys remove fluid from the body.



Roger J. Allen

In most cases this reduces blood pressure, thereby decreasing the hypertension. In the case of blacks, however, with increased norepinephrine causing a longer term of blood vessel constriction, a reduction of body fluids from the drugs causes the vessels to constrict even further as a response. "This causes the blood vessels to develop a normalized state of excess constriction and may worsen the hypertension," Allen says.

Allen's pilot study was published in the journal *Human Stress: Current Selected Research*. He is continuing to pair subjects for his research, hoping to eventually have data for 100 pairs. He also plans to eventually stress test at various intervals people who are undergoing a tanning process to see how this effects blood pressure.

Fariss Samarrai

Study Provides Clues About Milky Way Formation

Roger A. Bell

A recent College Park astronomical study of two globular clusters provides crucial information about the early formation of the Milky Way Galaxy and of the time-span of its collapse to a disk-shape.

Results from the study by Roger A. Bell, professor and director of the Astronomy Program, support recent suggestions that the Milky Way took three times longer to evolve than once believed.

Bell's results were published in the journal *Nature*.

The standard theory of galaxy formation, based on a 1962 theoretical model, calculated the collapse time for the Milky Way at one billion years.

Bell's study is the first to successfully measure and compare the actual compositions and ages of the globular clusters NGC288 and NGC362.

"We provide solid evidence to support some previous claims of a three billion year age difference between the clusters," says Bell. "This has implications for setting limits on the age of the Galaxy and for a better understanding of how it formed and collapsed."

According to Bell, globular clusters are the oldest objects in the galaxy, providing an exceptional look at the earliest stages of galaxy formation.

Bell and his colleagues used a 4-meter optical telescope in New South Wales, Australia to measure and compare the compositions of the two clusters. With a high-resolution spectrograph they analyzed visible light emanating from the surfaces of 15 red giant stars in the two clusters.

Bell and his group plan to further their studies by analyzing the chemical composition of stars in other globular clusters of the Milky Way.

Fariss Samarrai

New Book Examines National Security Issues in the 1990s

The emergence of a new world order, based on international economic relations and interdependence rather than the long-standing conflict between East and West calls for a rethinking of U.S. national security issues.

Michael Nacht, dean of the School of Public Affairs, and George H. Quester, professor of government and politics, along with John J. Weltman, a visiting scholar at The Johns Hopkins University Paul H. Nitze School of Advanced International Studies, have co-edited a new book focusing on some of the issues raised by the end of the Cold War.

Challenges to American National Security in the 1990s is a collection of essays that considers the world that will face American policymakers in this decade. Both Nacht and Quester also have contributed chapters to the book. Nacht writes on "Strategic Arms Control and American Security: Not What the Strategists Had in Mind." Quester writes about "Predicting the Future of American Commitments."

Admissions to Hold Informational Program for Faculty/Staff Parents

The Office of Undergraduate Admissions invites all faculty and staff parents of high school children beginning their college search processes to attend an informational program on Oct. 15 from 4:30 to 6:30 p.m. in the Prince George's Room of the Stamp Student Union. The program will include information on the college search and application process, as well information on College Park. For information or reservations, call Tina Rollason at 314-8381 no later than Oct. 3.

Kudos To...

Patrick Perfetto

Linda Mabbs

Ashwani Gupta

Parris Glendening

Mady Segal

Margaret Bridwell

Patrick Perfetto (Campus Guest Services) for being elected president of the Eastern Association of College Auxiliary Services. The association includes memberships of 500 institutions of higher education throughout the eastern United States and the Canadian provinces east of Manitoba. Perfetto is the 25th president of the association.

David Wilt (Engineering and Physical Sciences Library) on the publication of his new book, *Hardboiled in Hollywood* (Bowling Green State University Popular Press). The book details the film careers of five crime and mystery writers whose stories appeared in the famous *Black Mask* pulp mystery magazine from the 1920s through 1950s.

William Magette (Agricultural Engineering) for being awarded the Soil and Water Conservation Society's Fellow Award. At a recent banquet concluding the Society's 46th annual meeting held in Washington, D.C., Magette was recognized for his creation and guidance of the SWCS student chapter at the university.

John Duffy (Classics) for being appointed a Senior Fellow at Harvard University's Center for Byzantine Studies, located at Dumbarton Oaks, Washington, D.C. During his three-year term, Duffy will assist in advising the director of Dumbarton Oaks on academic matters related to the Center, and in selecting research fellows.

Linda Mabbs (Music) for performing Sept. 20-21 with the Washington Chamber Symphony in their season-opening tribute to Mozart. As featured soprano soloist, Mabbs sang two arias from Mozart's little known opera *Il Re Pastore*.

John Consoli (Creative Services) for winning a photography award in the Second Annual Photo Awards for Photo Design Magazine for the University of Maryland Alumni Magazine Spring 1990 issue.

Ashwani Gupta (Mechanical Engineering) for winning the "Best Paper Award" at a recent ASME Computers in Engineering Conference that was held in Santa Clara, California. The award is given for the most outstanding paper at the conference.

Parris Glendening (Political Science) for being elected president of the National Council of Elected County Executives. This summer, Glendening teamed up with local government leaders throughout the nation to release the first nationwide study of the current financial state of large county governments.

Valerie Jean (Non-Print Media Services) for winning the Artscape '91 Literary Arts Award for Poetry. The award, given in conjunction with Artscape, the annual Baltimore arts festival, was presented to Jean for her winning manuscript, *Woman Writing a Letter*.

Roger Davidson (Government and Politics) for delivering a series of lectures in the United Kingdom this fall as part of his Elliot/Winant Lecture-Fellowship at London's Imperial College. During his fall lecture tour in Britain, he will speak on "George Bush and Congress," "In Faint Praise of Divided Government," "The Post-Reform Congress," and "Will the Democrats Ever Win the White House?"

Mark Turner (English) on the publication of his new book, *Reading Minds: The Study of English in the Age of Cognitive Science* (Princeton). The book will be officially launched on Oct. 25 from 5:30 to 7:30 p.m. at a reception at Bick's Books, 2309 18th Street, NW Washington.

Anil Gupta (Business and Management) for receiving the American Academy of Management's 1991 Guleck Best Paper Award in Business Policy and Strategy. Gupta's paper, "Knowledge Flow Patterns, Subsidiary Strategic Roles, and Strategic Control Within Multinational Corporations," was one of 225 submitted.

Mady Wechsler Segal (Sociology and Center for International Security Studies) for being selected to give the keynote address at the Dec. 3 and 4, 1991 Conference of the British Military Studies Group at the Royal Military Academy in Sandhurst. The conference theme will be Women in the Military.

Jan Sengers (Institute for Physical Science and Technology) for being presented with the Y.T. Touloukian Award in recognition of distinguished achievement in thermophysics. Sengers received the award at the recent National Institute of Standards and Technology's Symposium on Thermodynamic Properties, held in Boulder, Colorado.

Ted Smith (Engineering alumnus) for being awarded the College of Engineering's 1991 Distinguished Alumnus Award. Smith is currently the president, chief executive officer and co-founder of FileNet Corporation, a California-based firm that manufactures image processing systems.

University Book Center for being cited in a *Washington Post* article on text book prices. Through an informal survey, the Book Center was found to have lower mark-ups, and lower prices in general, than four other university bookstores in the D.C. area.

20-Year Library Employees Jean Burless, Government Documents and Maps; Nancy Caldwell, Periodicals; and Margaret Cullings, Acquisitions, who received awards on Sept. 10 at the Libraries' Annual Service Awards Program.

Architecture Students Herb Heiserman, Peter Noonan and James Solomon, who competed against over 500 students from 43 architecture schools nationwide in the Association of Collegiate Schools of Architecture/Louis Pope National Institute for Teaching Commitment Student Design Competition.

Computer Science Staff and Students Raymond Ng, Degi Young, Chittal Barral, Rob Crittenden, Brian Fuselier and David Russin, who under the direction of assistant professor **Leo Mark** performed volunteer work for the House of Ruth, a battered women's shelter in D.C., in creating and implementing a computer-designed advertisement for the shelter's fundraiser.

Robert Carbone (Ed. Pol. and Plan.) for being named chair of the jury for the 1992 Staley/Robeson/-Ryan/St. Lawrence Prize for Research Fund-Raising and Philanthropy for the National Society of Fund Raising Executives. The jury is charged with selecting the best work on fund-raising and/or philanthropic behavior published during the past year.

Margaret Bridwell, M.D. (Student Health) for being elected to Fellowship in the American College Health Association during their recent annual meeting in Boston. Election to Fellowship recognizes "superior professional stature and performance in the field of college health and outstanding service to the association."

Jennifer Bacon

CALENDAR

Kinesiology Guest Speaker to Discuss Exercise and Aging

On Oct. 4, the Department of Kinesiology will present guest lecturer Robert E. Dustman to speak on "Physical Exercise and the Aging Brain" at 10 a.m. in Room 1312 of the Health and Human Performance Building (North Gym). Dustman is the director of Neuropsychology Research at the Veteran's Administration Medical Center in Salt Lake City, Utah. For information call Brad Hatfield, Kinesiology, at 405-2489.

The Concert Society at Maryland presents its season-opening performance, The Cleveland Quartet, on Oct. 5 at 8 p.m. in the Adult Education Center. The group will performing selections from Beethoven, Puccini, Schubert and Ravel. Call the Concert Society office at 403-4240 for information.

SEPTEMBER 30-OCTOBER 9

30 MONDAY

Art Gallery Exhibition: "Selected Works by Alfred C. Crimi," featuring paintings, watercolors, drawings and graphic works, Sept. 12-Oct. 4, The Art Gallery. Call 5-2763 for info.

Parents Association Art Gallery Exhibit: "Honoring the Chesapeake," featuring the lithograph drawings of Neil Harpe, today through Oct. 2, Parents Association Gallery, Stamp Student Union. Call 4-2787 for info.

Employee Development Seminar: "Speaking Confidently," Andrew Wolvin, Speech Communication, 9 a.m.-noon, 0306 Benjamin. Call 5-5651 for info.*

Horticulture Seminar: "Global Climate Changes: Effects on Plant Physiological Processes and Current Models, Expert Systems and Databases," Basil Acock, USDA-ARS, Beltsville, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

Entomology Colloquium: "Population Structure, Coalescence Theory, Insects, Potatoes and Rice—Or, What I Did on My Summer Vacation," George Roderick, Entomology, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

Space Science Seminar: "Alfven: The Role of Prediction in Space Physics," Stephen Brush, CHPS, 4:30 p.m., 1113 Computer and Space Sciences. Call 5-5691 for info.

1 TUESDAY

Zoology Colloquium: "Prospects for Testing the Tropical Mass Extinction Hypothesis," Pat Kangas, Agriculture and Extension Education, noon, 1208 Zoo/Psych. Call 5-6945 for info.

Ecology, Evolution and Behavior Colloquia: "Estimating Species Richness in the Tropics," Jonathan Coddington, Smithsonian Institution, noon, 1208 Zoo/Psych. Call 5-6939 for info.

Center for International Development and Conflict Management "Brown Bag" Seminar: "Development Depends on Institutions: Why Are International Differences in Per Capita Income So Huge and Persistent?," Mancur Olson, Economics, 12:30 p.m., Mill Bldg., second floor. Call 4-7703 for info.

Women's Soccer vs. Delaware, 3 p.m., Denton Field. Call 4-7070 for info.

Physics Colloquium: "Interface and Step Fluctuations," John Weeks, Institute for Physical Science and Technology, 4 p.m.; tea, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Guarneri String Quartet Open Rehearsal, 5 p.m., Tawes Recital Hall. Call 5-5548 for info.

Women's Field Hockey vs. Richmond, 7 p.m., Astroturf Field. Call 4-7070 for info.

See Productions Lecture: "Consumer and Environmental Action for the '90s," Ralph Nader, MaryPIRG, 7:30 p.m., Hoff Theater. Call 4-8341 for info.

2 WEDNESDAY

Employee Development Seminar: "Speaking Confidently," Andrew Wolvin, Speech Communication, 9 a.m.-noon, 0306 Benjamin. Call 5-5651 for info.*

AT&T Teaching Theatre Open House, 10 a.m.-4 p.m., Engineering Classroom Building, room 3140. Call 5-2950 for info.

Molecular and Cell Biology Seminar: "Ubiquitin and PEST Sequences Target Cytosolic Proteins for Destruction," Martin Rechsteiner, U. of Utah, 12:05 p.m., 1208 Zoo/Psych. Call 5-6991 for info.

Center for Teaching Excellence CORE Faculty Workshop: "Teaching for Critical Thinking in all Disciplines," Mark Weinstein, Assoc. Director, Institute for Critical Thinking, Montclair, NJ, 2:30-5 p.m., Maryland Room, Marie Mount. Call 5-2355 for info.

Men's Soccer vs. Lafayette, 3 p.m., Denton Field. Call 4-7070 for info.

3 THURSDAY

Women's Soccer vs. James Madison, 3 p.m., Denton Field. Call 4-7070 for info.

Meteorology Seminar: "The Atmospheres of Titan and Triton," Darrell Strobel, Earth and Planetary Sciences Department, Johns Hopkins U., 3:30 p.m., 2114 Computer and Space Sciences; refreshments, 3 p.m. Call 5-5392 for info.

"Writers Here and Now" Reading: Walter Mosley, 3:30 p.m., 1120 Surge Building. Call 5-3819 for info.

Committee on the History and Philosophy of Science Colloquium: "History and Aims of Molecular Biology," Peter Mora, NIH, 4 p.m., 0201 Computer and Space Sciences. Call 5-5691 for info.

Early American Seminar: "Puritanism and Capitalism," Stephen Innes, U. of Virginia, 8-10 p.m., 1104 Stamp Student Union. Call 5-4325 for info.

4 FRIDAY

Employee Development Seminar: "Speaking Confidently," Andrew Wolvin, Speech Communication, 9 a.m.-noon, 0306 Benjamin. Call 5-5651 for info.*

Kinesiology Lecture: "Physical Exercise and the Aging Brain," Robert E. Dustman, Director, Neuropsychology Research, Veteran's Administration Medical Center, 10 a.m., 1312 North Gym. Call 5-2489 for info.

Geology Seminar: "Can 100 Million Years of Earth's History Be Described with Boxes and Arrows?," Greg Bluth, NASA/GSFC, Greenbelt, 11 a.m., 0105 Hornbake. Call 5-4089 for info.

Mental Health Service Lunch 'n Learn Seminar: "Divorce and Marital Stress—Helping Couples Cope with Affairs," Emily Brown, Key Bridge Therapy and Meditation Center, Arlington, VA, 1-2 p.m., 3100E Health Center. Call 4-8106 for info.

First National Bank of Maryland Research Colloquium in Finance: "Exotic Options," Mark Rubinstein, U. of California at Berkeley, 1-2:30 p.m., 2102 Tydings. Call 5-2256 for info.

Lesbian and Gay Staff and Faculty Association Meeting: "Campus Climate for Lesbian and Gay Staff and Faculty," 4:30 p.m.; program, 5 p.m. Call Susan Leonardi at 5-3833 or Michael Marcuse at 585-6015 for info.

Women's Volleyball vs. Clemson, 7:30 p.m., Cole Field House. Call 4-7070 for info.

5 SATURDAY

Women's Volleyball vs. Georgia Tech, 1 p.m., Cole Field House. Call 4-7070 for info.

Women's Field Hockey vs. North Carolina, 1 p.m., Astroturf Field. Call 4-7070 for info.

Concert Society at Maryland, Cleveland Quartet, works by Beethoven, Puccini, Schubert and Ravel, 8 p.m., Adult Education Center. $17 full price; $15.30 faculty and staff; $14.50 seniors; $5 students. Call 80-4240 for info.*

6 SUNDAY

Men's Soccer vs. Wake Forest, 2 p.m., Denton Field. Call 4-7070 for info.

7 MONDAY

Horticulture Seminar: "Sink Metabolism in Sucrose Accumulating Wild Tomato Species," John R. Stommel, USDA-ARS, Beltsville, 4 p.m., 0128B Holzapfel. Call 5-4336 for info.

"Computer Science at College Park" Colloquium: "Lower Bounds for Parallel Computation," Faith Fich, U. of Toronto, 4 p.m., 0111 Classroom Bldg. Call 5-2737 for info.

Eighth Annual Faculty and Staff Convocation, to inaugurate the 1991-92 academic year and to recognize faculty and staff accomplishments, 3 p.m., Memorial Chapel. Call 5-4637 for info.

Entomology Colloquium: "Phylogenetic Analysis of the Moth Chorion Gene Family," Brian Wiegmann, 4 p.m., 0200 Symons Hall. Call 5-3911 for info.

8 TUESDAY

Ecology, Evolution and Behavior Colloquia: "Sex, Voles and Videotapes: An Analysis of Pair Formation in Prairie Voles," Jessie Williams, Zoology, noon, 1208 Zoo/Psych. Call 5-6940 for info.

Physics Colloquium: "*QED* and Nuclear Physics," Thomas Cohen, 4 p.m.; refreshments, 3:30 p.m., 1410 Physics. Call 5-5953 for info.

Committee on the History and Philosophy of Science Colloquium: "Species Multiplication by Hybridization: A Contribution to the History of 19th Century Evolutionary Theory," Robert Olby, U. of Leeds, 4 p.m., 1238 Zoo/Psych. Call 5-5691 for info.

9 WEDNESDAY

Women's Forum Second Annual Conference: "Women Making a Difference," 8:30 a.m.-4 p.m., Towson State U. Call 5-4182 for info.

Computer Science Center Distinguished Lecture: "Envisioning Information," Edward Tufte, Yale U., and author *The Visual Display of Quantitative Information, Envisioning Information*, 10:30 a.m.-noon, Adult Education Center Founders Room. Call 5-2950 for info.

* Admission charge for this event. All others are free.

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